

INTERNATIONAL STANDARD

IEC
60335-2-37

1994

AMENDMENT 2
1998-11

Amendment 2

Safety of household and similar electrical appliances –

Part 2-37: Particular requirements for commercial electric deep fat fryers

Amendement 2

Sécurité des appareils électrodomestiques et analogues –

Partie 2-37: Règles particulières pour les friteuses électriques à usage collectif

© IEC 1998 — Copyright - all rights reserved

International Electrotechnical Commission
Telefax: +41 22 919 0300

3, rue de Varembé Geneva, Switzerland
e-mail: inmail@iec.ch IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE

D

For price, see current catalogue

FOREWORD

This amendment has been prepared by subcommittee 61E: Safety of electrical commercial catering equipment, of IEC technical committee 61: Safety of household and similar electrical appliances.

The text of this amendment is based on the following documents:

FDIS	Report on voting
61E/275/FDIS	61E/293/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

Page 9

1 Scope

Add the words "including pressurized types" after the words "deep fat fryers" in the first paragraph of the scope.

Add the following to note 2:

- in many countries additional requirements are specified for pressure appliances.

Delete the the last dashed item (last line of the scope) referring to pressure appliances.

2 Definitions

Page 11

2.2.101 *Add the following sentence:*

The pressure within the container can exceed atmospheric pressure.

Add the following new definition:

2.2.104 **rated pressure**: The maximum working pressure assigned by the manufacturer to the pressurized parts of the appliance.

Page 13

7 Marking and instructions

7.1 *Add the following to the addition:*

- the **rated pressure**, in kilopascals (kPa), on pressurized parts of the appliance.

Add the following text:

7.12.4 Addition:

The instructions for **built-in appliances** having a separate control panel for several appliances shall state that the control panel is only to be connected to the specified appliances in order to avoid a possible hazard.

Add the following text:

7.15 Addition:

When it is not practical to place the marking of **fixed appliances** so that it is visible after the appliance has been installed, the relevant information shall also be included in the instructions for use or on an additional label which can be fixed near the appliance after installation.

NOTE - An example of such a **fixed appliance** is a **built-in appliance**.

Page 19

11 Heating

11.8 *Add the following to the addition:*

During the test the pressure relief device shall not operate.

Page 27

19 Abnormal operation

19.1 *Add the following to the addition:*

Appliances provided with a control limiting the pressure during the tests of clause 11 are also subjected to the tests of 19.4 with this control rendered inoperative.

NOTE 101 – Continuous blowing-off of the pressure relief device is in itself disregarded.

Add the following text:

19.3 Addition:

Any adjustable temperature or pressure control within the appliance which is preset for correct operation but is not locked in position is adjusted to its most unfavourable position.

Page 29

22 Construction

Add the following text:

22.7 Replacement:

Appliances which operate at a pressure in excess of atmospheric pressure (over-pressure) shall incorporate a suitable pressure relief device which prevents excessive pressure.

*Compliance is checked by operating the appliance at **rated power input** with the pressure controls rendered inoperative.*

*The pressure relief device shall operate during this test so as to prevent the internal pressure exceeding the **rated pressure** by more than 20 %.*

Add, on page 33, the following additional subclauses:

22.116 The operating pressure of pressurized parts of the appliance shall not exceed the **rated pressure**.

Compliance is checked during the test of clause 11.

22.117 The pressure relief device shall be positioned or constructed so that its operation does not cause injury to persons or damage to surroundings. Its construction shall be such that it cannot be made inoperative.

Compliance is checked by inspection.

22.118 It shall not be possible to open the lid or cover of a pressurized appliance until the pressure has been reduced to approximately atmospheric pressure.

Compliance is checked by inspection and by manual test.

22.119 Pressurized appliances shall incorporate a vacuum release valve to prevent a partial vacuum forming unless it is designed for vacuum operation.

Compliance is checked by inspection.

22.120 Pressurized parts of appliances shall be capable of withstanding the **rated pressure**.

*Compliance is checked by subjecting the pressurized parts for 30 min to a hydrostatic pressure equal to 1,5 times the **rated pressure**. All outlets are sealed and any pressure relief devices rendered inoperative. Means other than water may be used to create the hydrostatic pressure.*

During the test the pressurized parts shall show no signs of leaks or permanent deformation, nor shall they burst.

Page 35

25 Supply connection and external flexible cords

25.3 *Add the following to the addition:*

The connection to the supply wires of **built-in appliances** may be made before the appliance is installed.
